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#8
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TECH CENTER 1600/2900

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/768,827

DATE: 06/06/2001

TIME: 12:21:13

Input Set : A:\Seqlist.txt

Output Set: C:\CRF3\06062001\I768827.raw

3 <110> APPLICANT: Schlegel, Robert
 4 Endege, Wilson
 5 Monahan, John
 7 <120> TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION,
 8 ASSESSMENT, PREVENTION, AND THERAPY OF HUMAN
 9 PROSTATE CANCER
 11 <130> FILE REFERENCE: MRI-007A
 13 <140> CURRENT APPLICATION NUMBER: US 09/768,827
 14 <141> CURRENT FILING DATE: 2001-01-24
 16 <150> PRIOR APPLICATION NUMBER: US 60/178,525
 17 <151> PRIOR FILING DATE: 2000-01-24
 19 <150> PRIOR APPLICATION NUMBER: US 60/183,245
 20 <151> PRIOR FILING DATE: 2000-02-17
 22 <150> PRIOR APPLICATION NUMBER: US 60/190,139
 23 <151> PRIOR FILING DATE: 2000-03-16
 25 <150> PRIOR APPLICATION NUMBER: US 60/208,126
 26 <151> PRIOR FILING DATE: 2000-05-31
 28 <150> PRIOR APPLICATION NUMBER: US 60/219,705
 29 <151> PRIOR FILING DATE: 2000-07-18
 31 <150> PRIOR APPLICATION NUMBER: US 60/255,160
 32 <151> PRIOR FILING DATE: 2000-12-13
 34 <160> NUMBER OF SEQ ID NOS: 101
 36 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 38 <210> SEQ ID NO: 1
 39 <211> LENGTH: 395
 40 <212> TYPE: DNA
 41 <213> ORGANISM: Homo sapiens
 43 <220> FEATURE:
 44 <221> NAME/KEY: misc_feature
 45 <222> LOCATION: (1)...(395) ✓
 46 <223> OTHER INFORMATION: n = A,T,C or G
 48 <400> SEQUENCE: 1
 49 ctacttaggg cgaattggag ctccccgcgg tggcggccga ggtacgcggg gagagtgttc 60
 50 cagacagaag aaatagcaag tgccgagaag ctggcatcag aaaaacagag gggagatttg 120
 51 tgtggctgca gccgaggag accaggaaga tctgcatggt gggaaggacc tgatgataca 180
 52 gaggtgagaa ataagaaagg ctgctgactt taccatctga ggccacacat ctgctgaaat 240
 53 ggagataatt aacatcacta gaaacagcaa gatgacaata taatgtctaa gtagtgacat 300
 W--> 54 gtttttgcac atttccagcc cctttaaatn tccacacaca caggaagcac aaaaggaagc 360
 55 acagagatcc tgggagaaat gcccggcccg ctcta 395
 57 <210> SEQ ID NO: 2
 58 <211> LENGTH: 237
 59 <212> TYPE: DNA
 60 <213> ORGANISM: Homo sapiens
 62 <220> FEATURE:
 63 <221> NAME/KEY: misc_feature
 64 <222> LOCATION: (1)...(237) ✓
 65 <223> OTHER INFORMATION: n = A,T,C or G

ENTERED
see p.5

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67 <400> SEQUENCE: 2
W--> 68 cgcggtggc ggccgaggtt ccaangtcaa gtcaccataa tgtntttnac ctgtttcaca 60
W--> 69 atgttctaca ttatcgtgga aatgttgaca aggtctcnag caaagactgg atctncantg 120
W--> 70 gntttaaaat acaatnntcc atttcggaaa ttganggaaa aagatctttt ncaanctgga 180
W--> 71 agagtcttct tgtaaatagg aatcacnggg ctacacctgc tgacgacctt ggggttn 237
73 <210> SEQ ID NO: 3
74 <211> LENGTH: 463
75 <212> TYPE: DNA
76 <213> ORGANISM: Homo sapiens
78 <220> FEATURE:
79 <221> NAME/KEY: misc_feature
80 <222> LOCATION: (1)...(463) /
81 <223> OTHER INFORMATION: n = A,T,C or G
83 <400> SEQUENCE: 3
84 ttaggcgcaa ttggagctcc cgcggtggc ggccgaggtt ctatatggac accaacaatgg 60
W--> 85 agcanaaaat gagggcagca gtgtccaatc tcattccagg tgagaagttg cacagtgtcc 120
86 aataggtgca tacatctcct tagtaagtag ttgtgattaa caatgaaata gaaatgaaaa 180
87 atatatTTTT ttatttatgt gtatttatatt tttcaagcag ctaataagtt ggtaggacat 240
88 aatatTTaat tCGttgggga cctaattatt tataaattga atggtagat atttcttttg 300
89 gcctaagcca ccatgaaaaa atcactgagg cgctaaggga aacatgaact aagaagccct 360
W--> 90 tctgagtctc tgttttctca actgtaagat gaanaaacct gctccacctt cctcttgcca 420
91 ttggtgaacg gcagtttgag atactgcgca gaatggacct tat 463
93 <210> SEQ ID NO: 4
94 <211> LENGTH: 434
95 <212> TYPE: DNA
96 <213> ORGANISM: Homo sapiens
98 <220> FEATURE:
99 <221> NAME/KEY: misc_feature
100 <222> LOCATION: (1)...(434) /
101 <223> OTHER INFORMATION: n = A,T,C or G
103 <400> SEQUENCE: 4
104 ggagctcccc gcggtggcgg ccgaggtacg cgggggttgt atgtgggttg gcattcttgc 60
105 atgatgggag tggccacctg ctttcatatt ctgaagtcag agtggtccag acagaagaaa 120
106 tagcaagtgc cgagaagctg gcatcagaaa aacagagggg agatttgtgt ggctgcagcc 180
107 gagggagacc aggaagatct gcatgggtgg aaggacctga tgatacagag gtgagaaata 240
108 agaaaggctg ctgactttac catctgaggc cacacatctg ctgaaatgga gataattaac 300
W--> 109 atcactagaa acagcaagat gacaatataa tgtctaanta gtgacatgtt ttttgacat 360
110 ttccagcccc tttaaatatc cacacacaca ggaagcaca aaggaagcac agagatccct 420
111 gggagaaatg cccg 434
113 <210> SEQ ID NO: 5
114 <211> LENGTH: 332
115 <212> TYPE: DNA
116 <213> ORGANISM: Homo sapiens
118 <220> FEATURE:
119 <221> NAME/KEY: misc_feature
120 <222> LOCATION: (1)...(332) /
121 <223> OTHER INFORMATION: n = A,T,C or G
123 <400> SEQUENCE: 5
124 ctatagggcg aattggagct ccccgcggtg gcggccgccc gggcatggta cgcggggagg 60

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125 tgttggtccg tgaatcagca catcaattgc agcattgtgg ctaccagggg gtcaggatgc 120
W--> 126 ggncggtgga gccctctggc ctttgtgtgg tagccgagga ctctgtgtca gctgaccgtt 180
W--> 127 ttccggnaaa ctttcgtgcg agactcacat cttggaaatt caaataactca atanctctcg 240
W--> 128 aattctagga atcttgagaa gaggcctgga ttaangattc anacatgggc cctnanatng 300
W--> 129 ntatggcatt gctggttcta ccaacgtgac ag 332
131 <210> SEQ ID NO: 6
132 <211> LENGTH: 348
133 <212> TYPE: DNA
134 <213> ORGANISM: Homo sapiens
136 <400> SEQUENCE: 6
137 ccgggcaggt accagaactt cagcaaagga agcagacaca ggtcggagga agcctacata 60
138 gacccattg ccatggagta ttacaactgg gggcggttct cgaagcccc agaagatgat 120
139 gatgccaatt cctacgagaa tgtgctcatt tgcaagcaga aaaccacaga gacagggtgcc 180
140 cagcaggagg gcataggtgg cctctgcaga ggggacctca gcctgtcact ggccctgaag 240
141 actggcccca cttctggtct ctgtccccct gcctccccgg aagaagatga ggaatctgag 300
142 gattatcaga actcagcatc catccatcag tggcacgagt ccaggaag 348
144 <210> SEQ ID NO: 7
145 <211> LENGTH: 188
146 <212> TYPE: DNA
147 <213> ORGANISM: Homo sapiens
149 <220> FEATURE:
150 <221> NAME/KEY: misc_feature
151 <222> LOCATION: (1)...(188) ✓
152 <223> OTHER INFORMATION: n = A,T,C or G
154 <400> SEQUENCE: 7
155 ttagggcgaa ttggagctcc ccgcggtggc ggccgaggta cttttttttt tttttttttt 60
156 ttttgacct tgggtatctt ctgcaggta agccatcctg accactctga gaacttacct 120
W--> 157 agggtagctc anctgtcact ccaggtaact cataagccca acgggtagct ccaccctggt 180
158 acagctgg 188
160 <210> SEQ ID NO: 8
161 <211> LENGTH: 603
162 <212> TYPE: DNA
163 <213> ORGANISM: Homo sapiens
165 <220> FEATURE:
166 <221> NAME/KEY: misc_feature
167 <222> LOCATION: (1)...(603) ✓
168 <223> OTHER INFORMATION: n = A,T,C or G
170 <400> SEQUENCE: 8
171 cgcggtggcg gcccgcccg gcaggtactt tttttttttt tttttttttt tttttttaag 60
W--> 172 ggaacgtgaa ttttaatgag ggggcanacc gaggaggtgg tggtgcccg gagatcaggg 120
W--> 173 ccaggctgtg ctanatggcn cctggaaggg gggtcaccca agtctccctg ctatcatttc 180
174 aggaggccga cccaagtctc cctgctgtca tttcaggagg ccgaattttt tcccgatccc 240
W--> 175 anagaagggtg tcaaaggcct ggtagcant cttgtcgtat gtttctctggg tggctctggc 300
W--> 176 canctgggtcc atggctttct gccccgcctc tgtggcctgg tccaccactt gctganctgc 360
W--> 177 cgtctcggcc cgtcnacag gcttctctgg cggtccccct cacctgttgc ttcaggctct 420
W--> 178 gcaagccctt gcttgccatg gcttcggggg atctgtggag tcntcaagan canctggagc 480
W--> 179 caenttgat cctncccaaa gtggcccccg cgtaccttgg ccgntntaaa actatgtgga 540
W--> 180 atcccccccg cctgcangaa ttccatatca aagcttatng atacccggcg accctcgagg 600
181 ggg 603

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Input Set : A:\Seqlist.txt

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183 <210> SEQ ID NO: 9
184 <211> LENGTH: 429
185 <212> TYPE: DNA
186 <213> ORGANISM: Homo sapiens
188 <400> SEQUENCE: 9
189 ccgcggtggc ggccgaggta cgcggggtca ttactacagg aaaaactggt ctcttctgtg 60
190 gcacagagaa ccctgcttca aagcagaagt agcagttccg gaggccagct ggctaaaact 120
191 catcccagag gataatggca acccatgcct tagaaatcgc tgggctgttt cttggtgggtg 180
192 ttggaatggt gggcacagtg gctgtcactg tcatgcctca gtggagagtg tcggccttca 240
193 ttgaaaacaa catcgtggtt tttgaaaact tctgggaagg actgtggatg aattgcgtga 300
194 ggcaggctaa catcaggatg cagttgcaaa atctatgatt ccctgctggc tctttctccg 360
195 gacctacagg cagccagagg actgatgttg cgctgcttcc gtgatgtcct tcttggtttt 420
196 catgatggc
198 <210> SEQ ID NO: 10
199 <211> LENGTH: 338
200 <212> TYPE: DNA
201 <213> ORGANISM: Homo sapiens
203 <220> FEATURE:
204 <221> NAME/KEY: misc_feature
205 <222> LOCATION: (1)...(338)
206 <223> OTHER INFORMATION: n = A,T,C or G
208 <400> SEQUENCE: 10
W--> 209 cgctgatggt ggccangcga gagggccacg ttctcttgag tgttcagaag ggtcttacag 60
210 acgtccaggg gggtcggtgc ggccgcggcg agggcccgcc ccagcccgcc tgagatgatg 120
211 tgggactgcg gggtgtaggt ccggtggggg ttgacctgct cctgcaggaa ctcataggtg 180
212 atgaagtgga tggactggaa ggggatgttc atggtcagct gcgtgggtga gctccggtag 240
W--> 213 aagggcccca acccctnggt cctccacacc gtccggatgc aactgattgc tgaccggtgc 300
W--> 214 tgcnagtgtt acctgcccgg gcggccgctc tagaacta 338
216 <210> SEQ ID NO: 11
217 <211> LENGTH: 561
218 <212> TYPE: DNA
219 <213> ORGANISM: Homo sapiens
221 <220> FEATURE:
222 <221> NAME/KEY: misc_feature
223 <222> LOCATION: (1)...(561)
224 <223> OTHER INFORMATION: n = A,T,C or G
226 <400> SEQUENCE: 11
W--> 227 gccgccgggc aggtacaaac ttagaagaaa atnggaagat agaaacaaga tagaaaatga 60
228 aaatattgtc aagagtttca gatagaaaat gaaaaacaag ctaagacaag tattggagaa 120
229 gtatagaaga tagaaaaata taaagccaaa aattggataa aatagcactg aaaaaatgag 180
230 gaaattattg gtaaccaatt tattttaaaa gcccatcaat ttaatttctg gtggtgcaga 240
W--> 231 agttagaagg taaagcttga gaagatgagg gtgtttaccg tagaccngaa ccaatttaga 300
232 agaatacttg aagctagaag gggaagtggg ttaaaaaatca catcaaaaag ctactaaaag 360
233 gactggtgta attttaaaaa aaactaaggc agaaggcttt tggaagaagt tagaagaatt 420
234 tggaaggcct taaatatagt agcttaattt gaaaaaatgt gaaggacctt tcgtaaccgg 480
W--> 235 aaggtnatth caagatnaaa gaagtaatth accaacctta atggtttttg cctttggggc 540
W--> 236 ttttgagttt aaagaattan t 561
238 <210> SEQ ID NO: 12
239 <211> LENGTH: 367

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240 <212> TYPE: DNA
241 <213> ORGANISM: Homo sapiens
243 <220> FEATURE:
244 <221> NAME/KEY: misc_feature
245 <222> LOCATION: (1)...(367)
246 <223> OTHER INFORMATION: n = A,T,C or G
248 <400> SEQUENCE: 12
W--> 249 gaatnggagc tccccgcggt ggccggccgan gnactcngga nagagtanaa acgtttccat 60
W--> 250 gttattttctg cagttgtnga cttaggctta tttgtaaaga agcatgctcc attgactgcc 120
251 atctctagtc ttgcagtggg tgggtattaac ccatagaaag caagcagttg tgtatcacat 180
W--> 252 acacaatggn tatgatgnta accanatcan ctggttngtt gttcattcgt natatgtttt 240
W--> 253 gtgatangga tgttgggagc acagctctat tctgcctgct cagacttaag ttagaccctt 300
254 atcttttata ttatgtcatg aaaaaagtct cctaaaaatt gtgaaactag cctcttgatg 360
255 agtgatg 367
257 <210> SEQ ID NO: 13
258 <211> LENGTH: 464
259 <212> TYPE: DNA
260 <213> ORGANISM: Homo sapiens
262 <400> SEQUENCE: 13
263 ccgcggtggc ggcccgaggt acatggccac aagaggagcc ctggccaaca gtttcaggct 60
264 ggccatcttg ggctggggct ccctgggctt gcagtgggga gggtcaggat tcaaattctg 120
265 ggtgacaatt tcagtagcac caagaccaga agacagttag gccacgctgg ggagtggggg 180
266 agtgcttgta tgtgggatgc atggaggag gctgcagtat gtggaggaga aagagaggct 240
267 gttgtgggct gggtcttaag acactcaagg ggactcaaag ggtcggctcc agccatggac 300
268 actatctaag gctgctcaga ggagaatgct ggaggagagg aagaggaagt gaaatgggtg 360
269 gagaacattc ttacccttat aaataaacta tttacacact ttaagaaaag gagagccggc 420
270 tctcagtccc gcgtacctgc ccggggccggc ccgctctaga acta 464
272 <210> SEQ ID NO: 14
273 <211> LENGTH: 519
274 <212> TYPE: DNA
275 <213> ORGANISM: Homo sapiens
277 <220> FEATURE:
278 <221> NAME/KEY: misc_feature
279 <222> LOCATION: (1)...(519) /
280 <223> OTHER INFORMATION: n = A,T,C or G
282 <400> SEQUENCE: 14
283 ccgcggtggc ggccgaggtg cgccggggacc tcagccagc aattcgtttg gagcatgtga 60
284 acaccttgag ccttgatgag ttccagtatg tggatatatta tgcagagcat tcagagcaaa 120
285 tactctctct ccgagcgctt aatccgaaca attgctgcca tccgttcctt cccacatgat 180
286 aatgtagagg acctcatcag agggggagca gatgtgaact gcactcatgg cacactgaag 240
287 cccttgcact gtgcctgtat ggtgtcagat gctgactgtg tggagttact tctggaaaaa 300
W--> 288 ggagccgagg tgaatgccct ggatgggtat aaccggaaca gccctccact atgcancaga 360
289 gaaagatgag gcttgtgtgg aggtcctatt ggagtatggt gcaaaccoca atgcttttga 420
290 tggcaacaga gatacccccac ttcactgggt agcctttaag aacaatgctg agtgtgtgcg 480
291 ggctctccta gagagcgggg cctctgtcaa tgccctgga 519
293 <210> SEQ ID NO: 15
294 <211> LENGTH: 422
295 <212> TYPE: DNA
296 <213> ORGANISM: Homo sapiens

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1
L:68 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:69 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:70 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:71 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:85 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:90 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:128 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:157 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:173 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:175 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:176 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:177 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:227 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:235 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:252 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:253 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:288 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:310 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15
L:324 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:325 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:328 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:329 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16
L:346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:349 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17
L:363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18

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L:371 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18
L:393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20
L:431 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22
L:444 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:445 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:446 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:447 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23
L:468 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:469 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:470 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24
L:502 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26
L:535 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:536 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:537 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:538 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:539 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28
L:557 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
L:576 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30
L:592 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31
L:625 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:626 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33
L:643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:652 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:653 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:654 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34
L:675 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:676 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35
L:704 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:705 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:706 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:707 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:708 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:740 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:782 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42
L:826 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:827 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:828 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:829 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:847 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47
L:860 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:861 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:865 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48
L:879 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:880 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:881 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:882 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49
L:919 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52
L:952 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:954 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54

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Input Set : A:\Seqlist.txt

Output Set: C:\CRF3\06062001\I768827.raw

L:956 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:974 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:975 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:976 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:977 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:978 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:979 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:980 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:981 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1002 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56
L:1003 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56
L:1022 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:57
L:1035 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:1039 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:1040 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:1041 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:1042 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:1043 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:58
L:1057 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:1058 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:1059 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:1060 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:1061 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:1062 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:1063 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:1064 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:1065 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:59
L:1126 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1129 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1130 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63
L:1144 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64
L:1145 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64
L:1146 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64
L:1147 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64
L:1148 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:64
L:1162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:65
L:1211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68
L:1213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68
L:1231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69
L:1232 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69
L:1233 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:69
L:1248 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70
L:1251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70
L:1265 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71
L:1268 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71
L:1269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71
L:1270 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:71
L:1287 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72
L:1289 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72

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Input Set : A:\Seqlist.txt

Output Set: C:\CRF3\06062001\I768827.raw

L:1308 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73
L:1309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73
L:1341 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75
L:1359 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:1360 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:1362 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:1363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:1364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:1365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:1366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:1386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77
L:1387 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77
L:1388 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77
L:1389 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77
L:1390 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77
L:1408 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78
L:1409 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78
L:1410 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:78
L:1450 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80
L:1451 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:80
L:1465 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:81
L:1480 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:82
L:1493 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83
L:1494 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83
L:1496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83
L:1498 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83
L:1500 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83
L:1501 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:83
L:1523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:84
L:1546 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85
L:1549 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85
L:1577 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87
L:1592 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:88
L:1609 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:89
L:1629 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90
L:1630 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90
L:1632 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90
L:1633 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:90
L:1677 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:93
L:1690 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:94
L:1732 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96
L:1733 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96
L:1734 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96
L:1735 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:96
L:1756 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:97
L:1770 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:98
L:1785 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99
L:1788 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:99
L:1806 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100

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TIME: 12:21:14

Input Set : A:\Seqlist.txt

Output Set: C:\CRF3\06062001\I768827.raw

L:1808 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100
L:1809 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:100
L:1828 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101
L:1830 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101
L:1831 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101
L:1832 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101